

10.MPE ESTIMATION

10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2. Estimation Result

EUT: 300Mbps High Power Wireless N Router		
M/N: TL-WR841HP		
Test date: 2013-03-13	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Leo-Li	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	27.15	518.80	5.0	3.16	0.3266
	CH6	2437	27.05	506.99	5.0	3.16	0.3191
	CH11	2462	27.44	554.63	5.0	3.16	0.3491
11g	CH1	2412	26.66	463.45	5.0	3.16	0.2917
	CH6	2437	26.57	453.94	5.0	3.16	0.2857
	CH11	2462	26.49	445.66	5.0	3.16	0.2805
11n HT20	CH1	2412	23.56	226.99	5.0	3.16	0.1429
	CH6	2437	23.57	227.51	5.0	3.16	0.1432
	CH11	2462	23.41	219.28	5.0	3.16	0.1380
11n HT40	CH1	2422	22.6	181.97	5.0	3.16	0.1145
	CH4	2437	22.33	171.00	5.0	3.16	0.1076
	CH7	2452	21.98	157.76	5.0	3.16	0.0993